

ABSTRACT OF THE DISCLOSURE

A loop-type reactor column comprising a reactor column housing, comprising a mixing chamber and an inlet in the area of the floor of the loop-type reactor column. The loop-type reactor column has an outlet in the area of the head end of the loop-type reactor column. A stator and a rotor driven by a motor. The stator and rotor each have at least one hollow cylinder provided with longitudinal slots, the hollow cylinders of the stator and the ones of the rotor being interleaved with one another concentrically and alternately. The stator has a guide tube extending into the mixing chamber in which is arranged a conveyor worm. The conveyor worm and the rotor are fastened on a common shaft driven by the motor.